

As a user of GPS for General Aviation, Marine and terrestrial location purposes, I am opposed to the LightSquared allocation of bandwidth which will clearly render GPS essentially useless without massive reinvestment by the legitimate users of GPS satellite bandwidth.

The idea that a high-power terrestrial transmitter network can be located so close in frequency to a micro-power satellite service without impact to the micro-power system is ridiculous. "De-sense" has been a known phenomenon for decades, and can only be effectively eliminated by frequency separation with this level of power differential between the services.

Should the FCC permit the ill-advised LightSquared service frequency allocation which attempts to repeal the laws of physics, it is likely that the FAA's "NextGen" air traffic control system, which is fully dependant on GPS, will be rendered unworkable, at a loss to the US government, taxpayers and aviation users of BILLIONS of Dollars!

LightSquared's plan to locate their system in the satellite band is clearly a scam - their system is a terrestrial network, with the satellite element simply a facade to acquire cheaper satellite bandwidth at the expense of valid satellite bandwidth users.

Assignment of satellite bandwidth to the LightSquared system smacks of political influence and corruption, and must not be allowed.

A new, widely available high-speed internet system would certainly be of some value to the US. Adequate bandwidth for LightSquared's network could be allocated on more appropriate frequencies, and at more appropriate cost levels, so they can fairly compete with the other broadband internet systems already available.

The idea that LightSquared should be allowed to manipulate the FCC's service definitions and policies, obtain cheap satellite bandwidth for a clearly terrestrial network, with bandwidth costs artificially lower their competitors at the expense of the long-standing, legitimate GPS satellite system is an obvious scam and abuse of the FCC processes and regulations.

This must not be permitted.